

ABSTRACT

A crystallized bottleneck of polyester beer bottle, in which the crystallized bottleneck is no machined a screw thread and it has a crystallized length of 0.5-35mm at the bottleneck portion. To manufacture the crystallized bottleneck, an uncrystallized blank of the bottle is placed for 24-72 hours in air-condition environment and a crystallizer is preheated two hours or more before a crystallization. A bunker is loaded with the uncrystallized blank, which is delivered to a blank horse's head via a conveyor belt, then a bottleneck portion of uncrystallized bottle blank is sent into a crystallizer to heat it at high temperature and crystallize it via a arbor transmission chain; at the same time, the uncrystallized portion of the blank body is controlled, so that it is not effected by the environment at high temperature. The polyester bottle blank having a crystallized bottleneck portion is discharged through output blank horse's head and delivered to another conveyor belt to cool and shape it. The crystallized bottleneck of the polyester beer bottle and the manufacturing method for the same provided by the invention effectively enhance the heat-durability of the bottleneck of the polyester beer bottle and stability for maintaining the dimension of it, so that the polyester beer bottle exhibits to an excellent pressure-tightness effect, and it is reliable for ensuring the quality of the beer received therein.

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